



# Application instructions

Composite waterproofing with MB **FL 2K**



### 1 Prepare the substrate

Prepare exterior substrates so that they have the required gradient. If necessary, create a levelling layer using suitable products, e.g. Betofix R4 EM as sloping screed.

Prime absorbent mineral substrates with Remmers Kiesol MB. Apply with a roller or wide brush. Do not let puddles form. Apply further waterproofing materials once the primer is dry.



### 2 Stir the material

The powder and liquid component need to be mixed together in a 1:1 ratio and stirred.

First, pour out the liquid component and stir briefly. Then add the powder component and mix for 3 minutes until homogeneous.



### 3 Apply the scratch coat

Apply MB FL 2K as a scratch coat and level off sharply with the float.



### 4 Apply the first waterproofing layer

Apply the first waterproofing layer of Remmers MB FL 2K to the prepared surface.

Minimum dry layer thickness > 1 mm.



#### 5 Embed joint tape

In transition areas and joints, embed the system joint tape from the Remmers Tape VF series into the waterproofing layer while it is still wet, making sure that there are no wrinkles.

Alternatively, the joint tape can also be adhesively bonded first.



#### 6 Apply the second waterproofing layer

Once the first waterproofing layer is dry, apply the second layer of Remmers MB FL 2K. The second waterproofing layer must completely cover the embedded joint tape.

Total minimum dry layer thickness > 2 mm



#### 7 Apply thin-bed adhesive

Once the waterproofing is completely dry (approx. 4 hours, depending on the weather conditions), apply Remmers MB FL 2K using a suitable notched trowel. We recommend using the Remmers Extra smoothing trowel.

The tiles must be laid before a skin begins to form on the MB FL 2K. Do not apply excess material.



#### 8 Lay tiles

Lay the tiles on the fresh adhesive mortar, making sure that there are no voids.

For exterior use, we recommend applying using the buttering-floating method.



### 9 Grouting

Once the surface is dry enough to withstand foot traffic (approx. 4 hours, depending on the weather conditions), grout using MB FL 2K.

The joints must be dry.

Press the material into the joints using an epoxy grouting float. Work on one small area at the time so that stubborn mortar deposits do not have time to form on the tiles.



### 10 Initial cleaning

Use a coarse cleaning pad and warm water to clean the surface. Press the cleaning pad firmly onto the rollers in the wash bucket so that it does not retain excess water.



### 11 Final cleaning

Clean with a sponge float and clear, warm water. When cleaning large surfaces, it may be necessary to change the water several times.

Streaks and adhering material can be removed after approx. 24 hours using Remmers Clean FL. Dilute the material with water, apply to the surface and leave for approx. 10 minutes. If necessary, wipe the surface with the coarse cleaning pad and use the sponge float to wipe up any excess cleaner. Rinse the surfaces with clear water.



# Products used



## **MB FL 2K**

3 in 1 composite waterproofing  
Combines the functions of waterproofing, tile adhesive and joint filler in one material

Art. no.: 3001



## **Kiesol MB**

Special primer

Art. no.: 3008



## **Betofix R4 EM [basic]**

Fibre-reinforced PCC I (RM)  
Concrete replacement mortar for repairing concrete structures/screed mortar

Art. no.: 1086



## **Tape VF 120 series**

High-quality, fabric-coated premium joint tape made from NBR

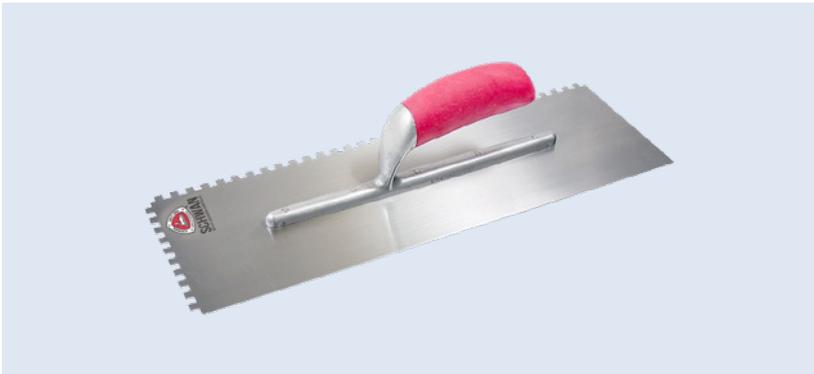
Art. no.: 5071 (joint tape 120 mm x 10 m/50 m)  
5073 (external corner)  
5074 (internal corner)



### Grouting float

Acid-resistant 12 mm fine rubber cover, bevelled edges, dimensions: 260 x 100 mm

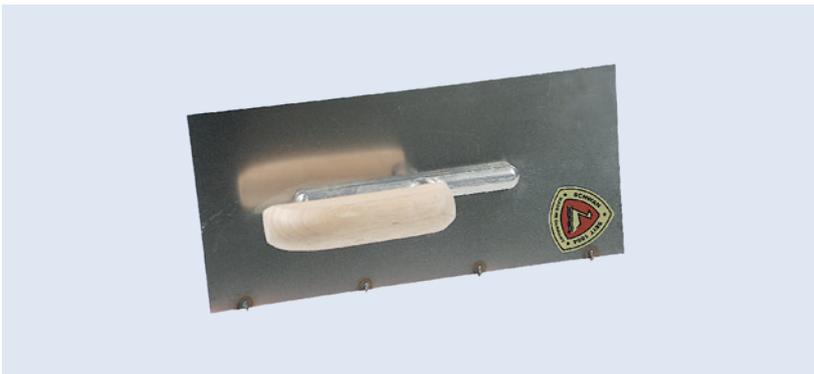
Art. no.: 4084



### Extra smoothing trowel

Soft-grip handle, CS60 trowel blade, notched

Art. no.: 4225 (6 mm)  
4226 (8 mm)  
4227 (10 mm)



### Layer thickness trowel

Rustproof, with wooden handle

Art. no.: 4000 (3 mm)  
4108 (2.5 mm)  
4105 (2 mm)



### Coarse cleaning pad

Durable and high-quality, dimensions: approx. 254 x 117 mm

Art. no.: 4134 (holder)  
4239 (coarse/aggressive pad)



### Yellow sponge float

30 mm square cut hydro sponge, dimensions: 280 x 140 mm, soft-grip handle

Art. no.: 4936



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